

Title (en)

METHOD AND SYSTEM FOR MANAGING THE STATE OF CHARGE OF A LITHIUM-ION CELL MODULE

Title (de)

VERFAHREN UND SYSTEM ZUR VERWALTUNG DES LADEZUSTANDS EINES LITHIUM-IONEN-ZELLMODULS

Title (fr)

PROCÉDÉ ET SYSTÈME DE GESTION DE L'ÉTAT DE CHARGE D'UN MODULE DE PILES AU ION-LITHIUM

Publication

**EP 2730006 A1 20140514 (EN)**

Application

**EP 12812038 A 20120709**

Priority

- FI 20115736 A 20110708
- FI 2012050720 W 20120709

Abstract (en)

[origin: WO2013007881A1] The state of charge of a lithium-ion cell module comprising several cells is managed by observing changes in a cell's differential capacity curve exceeding or falling short of a preset limit value during a discharging or charging process of the cell. Each of said changes is a change which is specific for this particular cell and consistent with a specific state of charge of the cell, whereby the ordinal number of a differential capacity curve change is used as a basis for determining a state of charge of the cell consistent with said change or a difference in the states of charge between two or more cells. The thus determined state of charge differences between cells are then sought to be balanced by means of a balancing system adapted to balance a charge.

IPC 8 full level

**H02J 7/00** (2006.01); **H02J 7/02** (2006.01)

CPC (source: EP FI US)

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DOCDB simple family (publication)

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